

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 58-088007

(43)Date of publication of application : 26.05.1983

(51)Int.Cl.

B01D 13/00

B01D 1/00

(21)Application number : 56-185527

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(22)Date of filing : 20.11.1981

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(54) SEPARATION OF LIQUID MIXTURE

(57)Abstract:

PURPOSE: To use a high molecular membrane obtained from a solution prepared by dissolving a carboxylic acid type fluorinated copolymer in a hydrophilic org. solvent, in a method for separating a mixture containing an org. liquid according to vapor separation.

CONSTITUTION: In separating or concentrating a mixture comprising org. liquids or an org. liquid and water according to vapor separation, when a high molecular membrane, which is formed from a solution prepared by dissolving a copolymer consisting of a fluorinated ethylenic monomer and a carboxylic acid group containing ethylenic monomer (pref., fluorine contained one) in a hydrophilic org. solvent containing a small amount of water, is used, the efficiency of separation or concn. is enhanced and a permeation speed is also made fast. A separation temp. is selected from a range of 0W200°C and pressure from a range of vacuum W100kg/cm2.

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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]